

# ***Military Health System Office of the Chief Information Officer Integrated Requirements-Design Overview***



***Data Quality Course  
August 12, 2008  
Deputy Director, Integrated Requirements-  
Design***



- **Data Quality Course attendees will gain familiarity with:**
  - The MHS Integrated Requirements-Design (IRD) Process
  - The MHS Concept of One
  - The IRD Process and Data Quality
  - The IRD Organization
  - MHS IM/IT Governance
  - MHS Related Internet Sites

# Integrated Requirements-Design

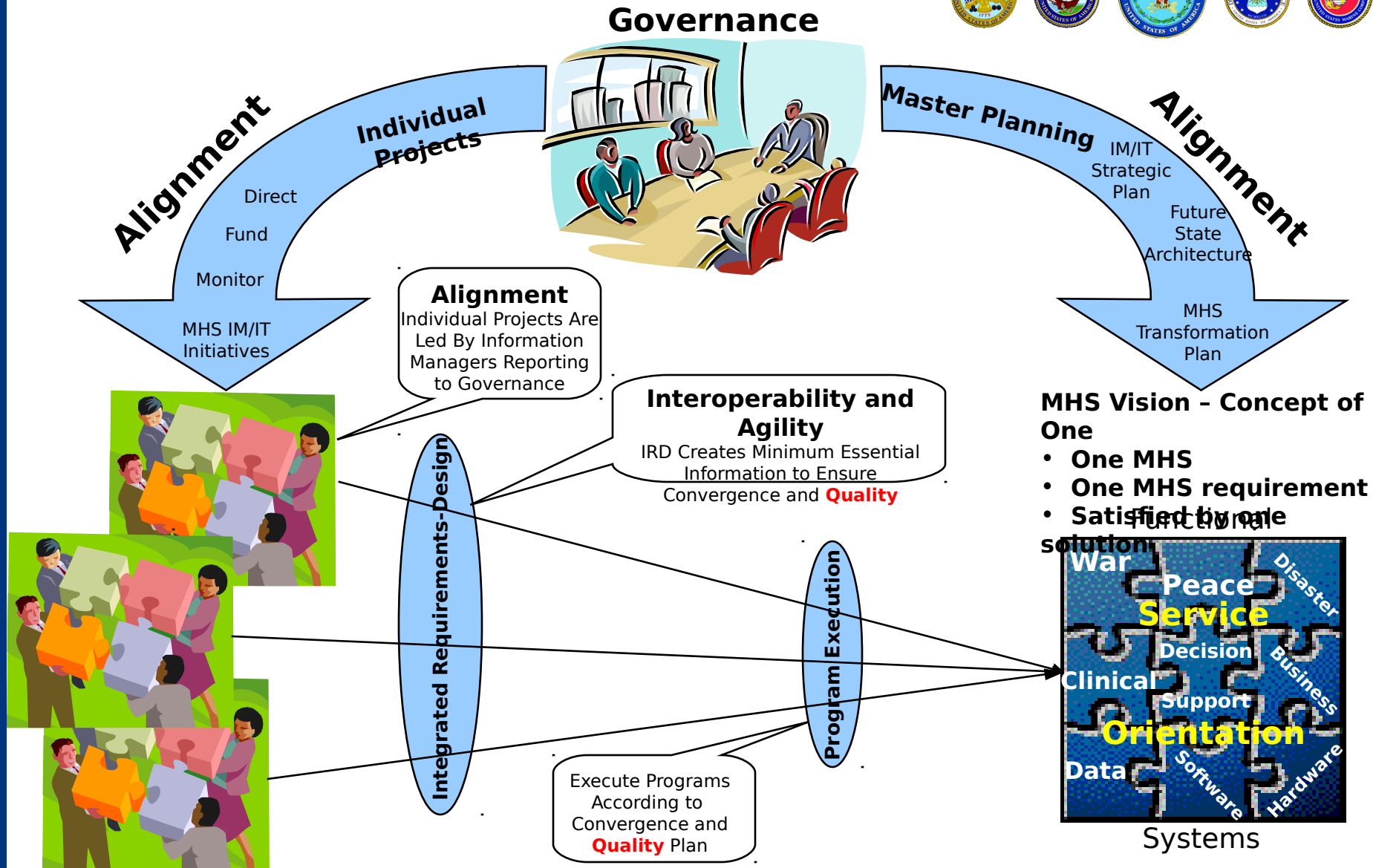
## What Problem Are We Solving



- Improve alignment – ability to deliver information systems that
  - Support the business objectives of MHS Leadership and Stakeholders
  - Deliver the value MHS Leadership seeks from their IT investments
- Improve interoperability – the ability of MHS information systems to
  - Work together as one seamless MHS solution
  - Share information with MHS partners
- Improve agility – the ability to deliver information systems
  - More quickly
  - At a lower cost
- Alignment, interoperability and agility are characteristics that lead to improved
  - Cost
  - Schedule
  - Time to market
  - Performance
  - **Quality**

# Integrated Requirements-Design

## Improves Alignment, Interoperability & Agility

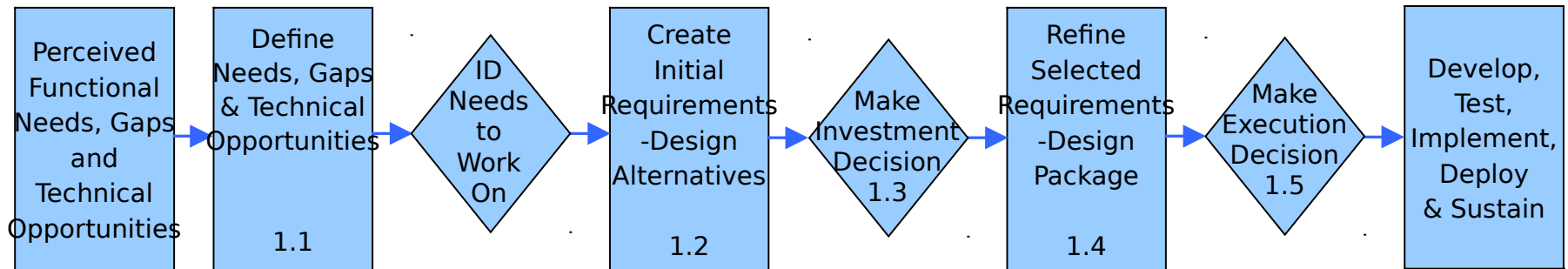


# Important Concepts - Mindset Changes



- MHS concept of one - There is one MHS with one set of MHS enterprise requirements which are satisfied by one MHS enterprise solution. This solution is acquired/built as multiple components.
- Business processes and IT systems are intrinsically related
  - Requirements discussions must include people who understand the technical capabilities available to satisfy the requirements
  - Design discussions must include people who understand the business needs
- Requirement design discussions are documented using enterprise architecture methodologies
  - Developed to represent the complexities found in the MHS in an unambiguous way
  - Developed to ensure enterprise design integrity
- Government reclaims it's responsibility to determine the future of the MHS
  - Government as integrator
  - Government furnished design specifications
- Transparency - Maintain broad-based (technical and business), external and internal visibility and review throughout the process
- Reduce the size of functional/system entities that move through the lifecycle

# Integrated Requirements-Design Process



## Triage Phase

Receive, document, analyze and prioritize all of the perceived needs, gaps and technical opportunities throughout the MHS and decide which ones to analyze in depth for an investment decision

## Pre-Investment Phase

Analyze requirements and associated design alternatives (requirements-design packages) and document MHS leadership investment decisions

## Pre-Execution Phase

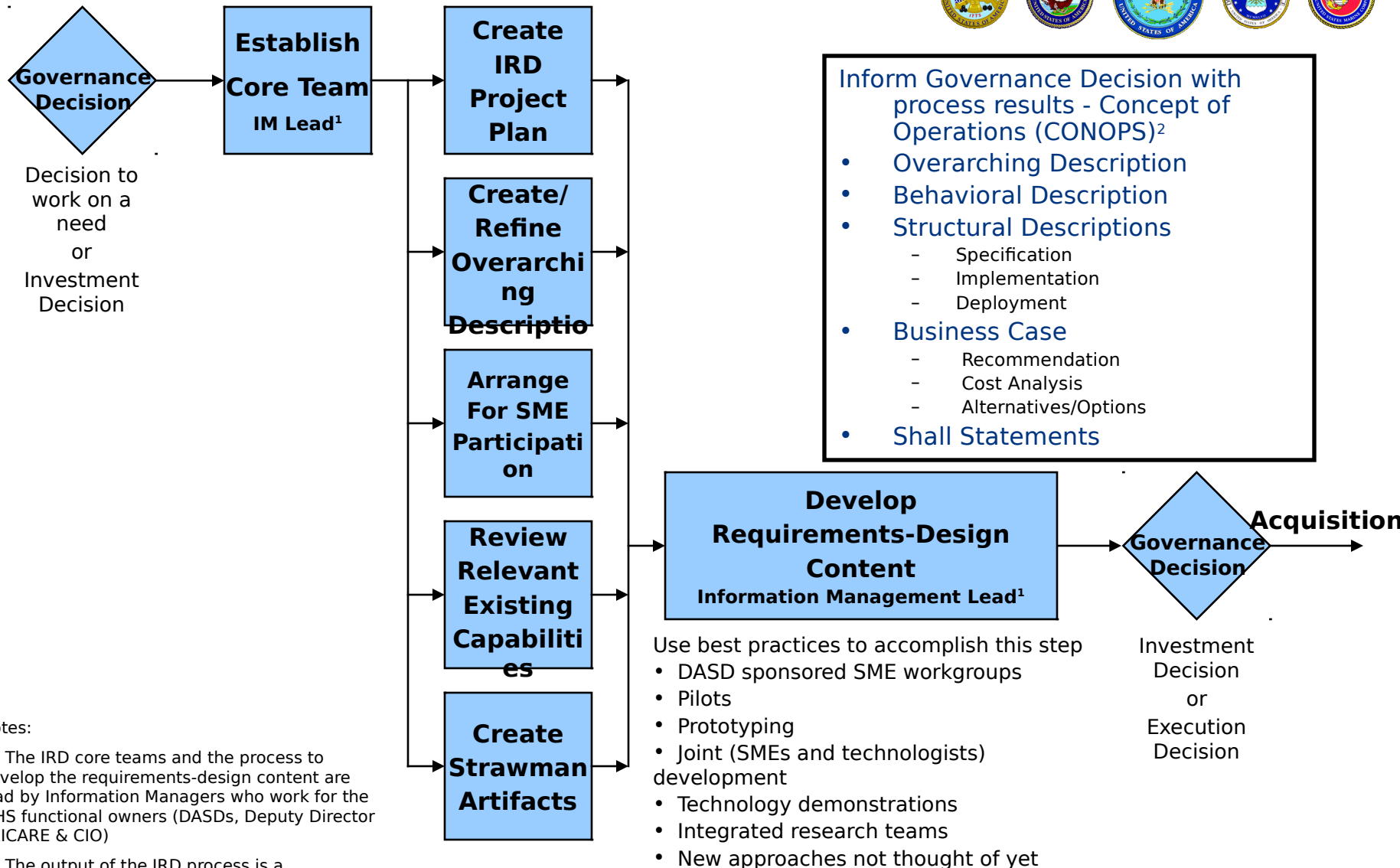
Complete design specifications for selected requirements-design packages and verify MHS leadership desire to move to execution (acquisition)

## Execution Phase

Acquisition

# Integrated Requirements-Design Process

## Conceptual Flow



### Notes:

1. The IRD core teams and the process to develop the requirements-design content are lead by Information Managers who work for the MHS functional owners (DASDs, Deputy Director TRICARE & CIO)

2. The output of the IRD process is a requirements-design package or CONOPS which contains all of the information necessary to guide and constrain system development or COTS purchase

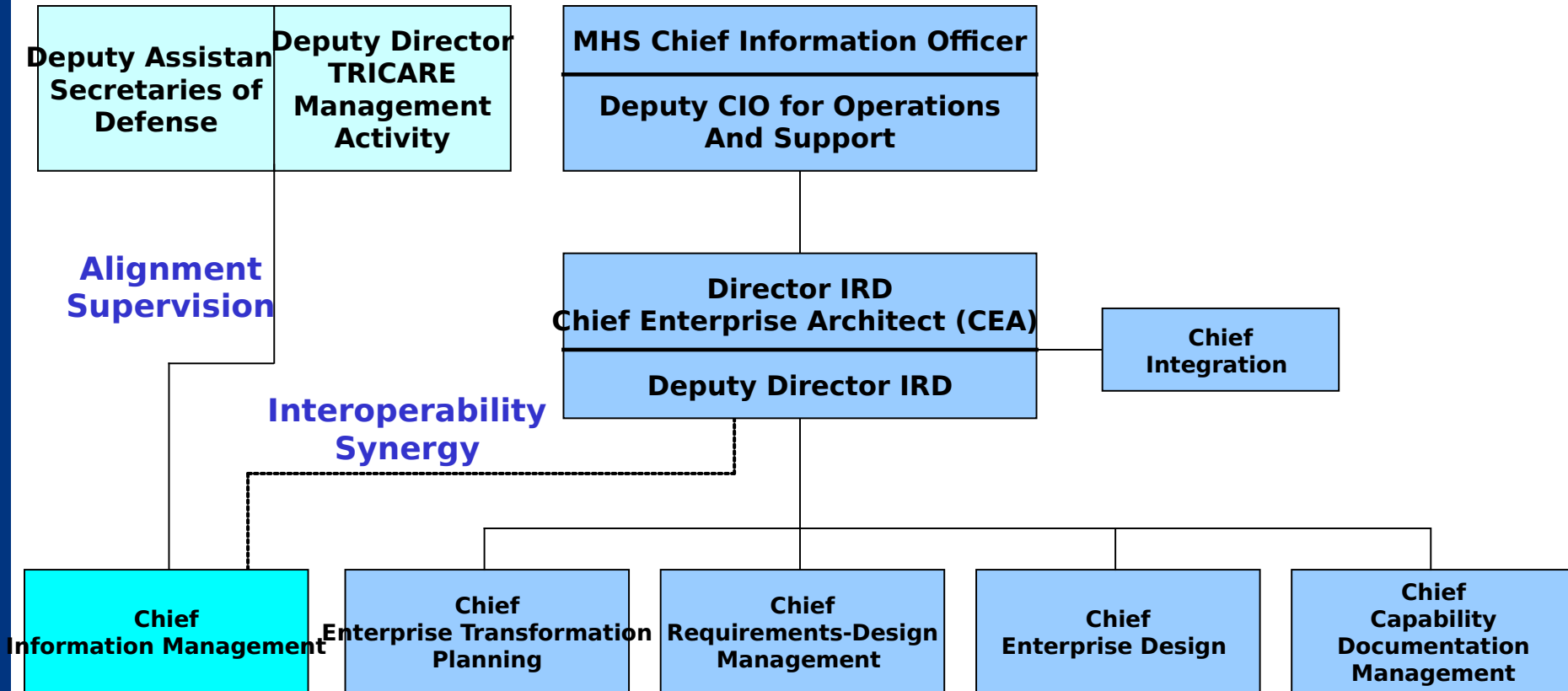
# ***Integrated Requirements-Design Facilitates Data Quality***



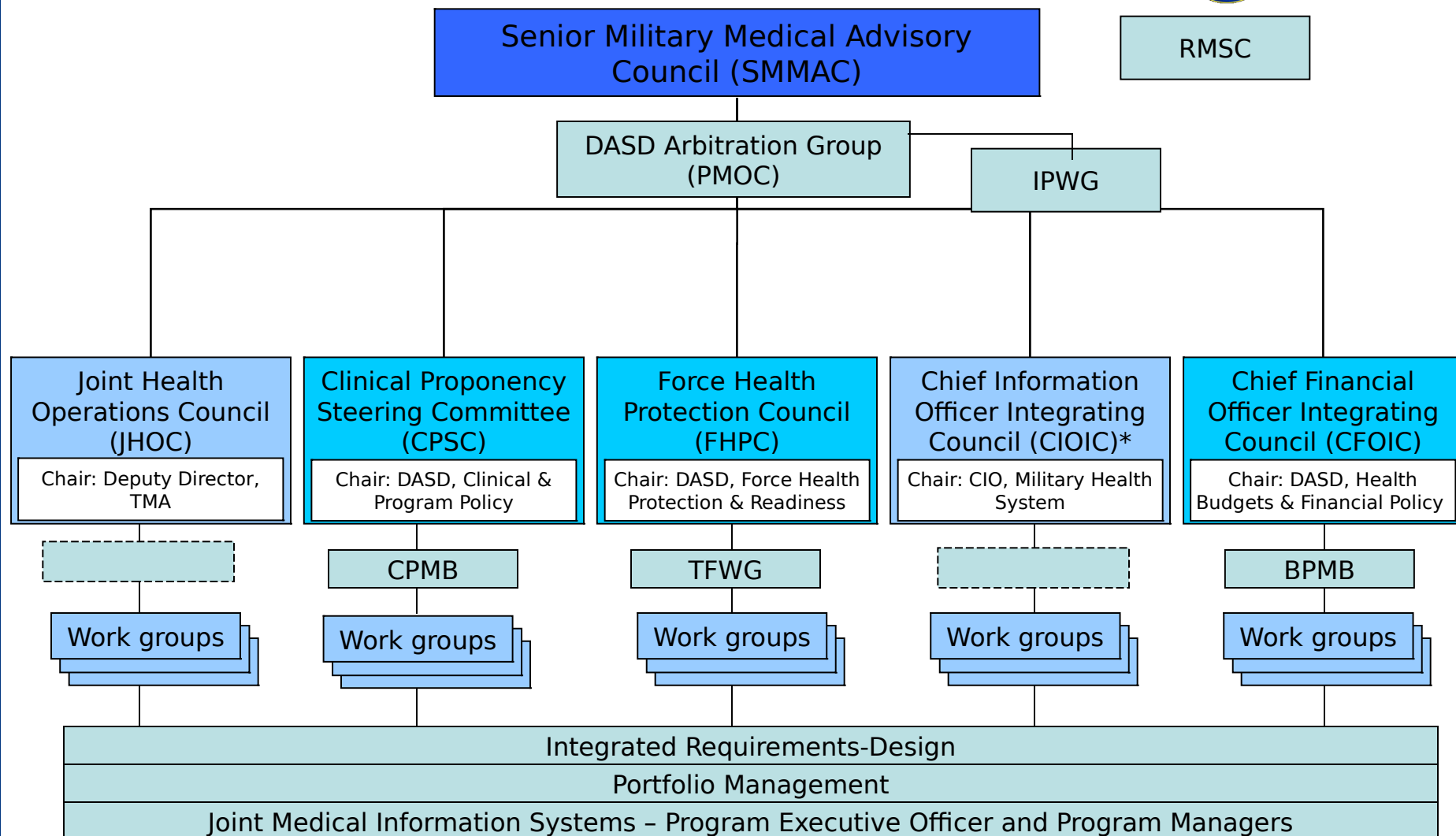
- **MHS Requirements-Design - identifies, and obtains agreement on specific standards and terminologies**
- **Data Standardization - at the structure, code set, input, and interchange level**
- **Data Management Plans - for all standard message transactions, data sets, code & value sets exchanged by more the one system**
- **MHS Contract Language - enforces usage of Data Standards**
- **MHS Data Standards Configuration Management Board - oversees data issues and facilitates solutions**
- **IT Data Quality IPT - EIDS**



# IRD Organization



# Military Health System Governance (draft)



\*CIO Integrating Council would need to be established

# Points of Contact



- Information Managers supporting the DASD, Health Budgets & Financial Policy
- IRD Data Standards Lead
  - Chief of Integration
  - Chair of Data Standards Configuration Management Board

# Related Internet Sites



- **MHS Enterprise Architecture:** Apply for password  
<https://xnet.tricare.osd.mil>
- **DoD Metadata Repository and Clearinghouse:**  
<https://metadata.dod.mil/mdr/homepage/htm>
- **Unified Biostatistical Utility (UBU):**  
<http://www.tricare.mil/ocfo/bea/ubu/index.cfm>
- **Uniform Business Office (UBO):**  
<http://www.tricare.mil/ocfo/mcfs/ubo/index.cfm>
- **DoD Business Transformation Agency:**  
<http://www.defenselink.mil/dbt/>
- **TRICARE Health Insurance Portability & Accountability Act (HIPAA):** <http://www.tricare.mil/hipaa/>

***Backup?***

# MHS IM/IT Planning and Execution Cycle

